## What is claimed is:

- 1 1. A surgical positioner for supporting items used in surgery, the surgical
- 2 positioner comprising a platform adapted to: (i) contact an individual's skin at least at
- 3 three points on a surface of the platform; (ii) be biased against the individual's skin
- 4 by at least two fasteners, each of the fasteners connected to bone of the individual
- 5 such that at least one of the fasteners is not parallel to at least one other of the
- 6 fasteners; and (iii) support at least one item by capturing at least a portion of the
- 7 item.
- 1 2. The surgical positioner of Claim 1, further comprising a plurality of apertures
- 2 defined by portions of the platform, at least one of the apertures adapted to receive
- 3 one of the fasteners.
- 1 3. The surgical positioner of Claim 2, wherein the platform further comprises a
- 2 first platform surface and a second platform surface, at least some of the plurality of
- 3 apertures extending from the first platform surface to the second platform surface,
- 4 the first platform surface defining a convex surface and the second platform surface
- 5 defining a concave surface.
- 1 4. The surgical positioner of Claim 3, wherein at least two of the apertures are
- 2 each adapted to receive one of the fasteners such that the at least two fasteners
- 3 received by the apertures converge towards each other.
- 1 5. The surgical positioner of Claim 4, wherein at least some of the plurality of
- 2 apertures defined by portions of the platform are adapted to have diameters
- 3 approximately equal to diameters of at least some of the fasteners.

- 1 6. The surgical positioner of Claim 4, wherein at least some of the plurality of
- 2 apertures defined by portions of the platform are adapted to have diameters at least
- 3 somewhat larger than diameters of at least some of the fasteners.
- 1 7. The surgical positioner of Claim 4, wherein the at least one item comprises at
- 2 least one fiducial.
- 1 8. The surgical positioner of Claim 7, wherein the at least one fiducial comprises
- 2 at least one modular fiducial.
- 1 9. The surgical positioner of Claim 8, wherein at least one of the plurality of
- 2 apertures defined by portions of the platform is adapted to receive the at least one
- 3 modular fiducial such that portions of the modular fiducial extend from the first
- 4 platform surface.
- 1 10. The surgical positioner of Claim 9, wherein at least three of the plurality of
- 2 apertures defined by portions of the platform are adapted to receive at least three
- 3 modular fiducials such that the modular fiducials can be received by at least some of
- 4 the apertures such that the modular fiducials form a pattern, the pattern
- 5 recognizable by a tracking system such that the tracking system can track the
- 6 position and orientation of the pattern.
- 1 11. The surgical positioner of Claim 4, wherein the at least one item comprises a
- 2 drill guide.
- 1 12. The surgical positioner of Claim 1, wherein the surgical positioner is mounted
- 2 to a table and wherein the at least one item comprises at least three modular
- 3 fiducials.

- 1 13. A method for performing a surgical procedure on an individual, the method2 comprising:
  - (a) positioning a platform in contact with an individual's skin such that at least three points of a surface of the platform contact the individual's skin;
  - (b) biasing the platform against the individual's skin using at least two fasteners such that at least one of the fasteners is not parallel to at least one other of the fasteners;
  - (c) using the platform to support at least one item for use in a surgical procedure; and
    - (d) performing the surgical procedure.
- 1 14. The method of Claim 13, wherein using the platform to support at least one
- 2 item comprises using the platform to support at least one item for use in installing an
- 3 orthopedic implant in the individual and wherein performing the surgical procedure
- 4 comprises installing the orthopedic implant in the individual.
- 1 15. The method of Claim 13, wherein biasing the platform against the individual's
- 2 skin further comprises biasing the platform against the individual's skin such that at
- 3 least one fastener converges towards at least one other fastener.
- 1 16. The method of Claim 15, wherein biasing the platform against the individual's
- 2 skin further comprises attaching a retainer to a proximate portion of at least one
- 3 fastener.

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- 1 17. The method of Claim 15, wherein using the platform to support at least one
- 2 item comprises using the platform to support at least three modular fiducials, the
- 3 modular fiducials supported by the platform such that the modular fiducials form a
- 4 pattern, the pattern recognizable by a tracking system such that the tracking system
- 5 can track the position and orientation of the pattern.

- 1 18. The method of Claim 13, further comprising connecting a second platform to 2 the platform, the second platform adapted to support a second item.
- 1 19. A surgical item positioner for supporting an item used in surgery, the surgical item positioner comprising:
  - (a) a support platform adapted to: (i) contact an individual's skin at least at three points on a surface of the platform; (ii) support at least one item; and (iii) be connected to a stabilizing system; and
- (b) the stabilizing system, the stabilizing system adapted to: (i) connect to the support platform; (ii) stabilize the support platform; and (iii) be biased against the individual by at least one fastener.
- 1 20. The surgical item positioner of Claim 19, wherein the stabilizing system2 comprises:
  - (a) a stabilizer platform, the stabilizer platform adapted to: (i) contact an individual's skin at least at three points on a surface of the stabilizer platform; (ii) be biased against the individual's skin by at least two fasteners such that at least one of the fasteners is not parallel to at least one other of the fasteners; and (iii) be connected to the support platform by an arm; and
    - (b) the arm, the arm adapted to connect the support platform to the stabilizer platform.
- 1 21. The surgical item positioner of Claim 20, wherein the stabilizer platform is
- 2 adapted to receive the at least two fasteners such that the at least two fasteners
- 3 converge towards each other, the at least two fasteners adapted to be secured to
- 4 the bony anatomy of the individual.
- 1 22. The surgical item positioner of Claim 21, wherein the arm comprises a flexible 2 arm.

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- 1 23. The surgical item positioner of Claim 19, wherein portions of the support
- 2 platform define a portal, the portal adapted to receive the at least one item.
- 1 24. The surgical item positioner of Claim 23, wherein the portal is adapted to
- 2 interact with a bearing in a rotating fashion, the bearing adapted to interact with
- 3 portions of the item in a rotating and sliding fashion.
- 1 25. The surgical item positioner of Claim 24, wherein the bearing further
- 2 comprises a plurality of protrusions extending from an outer surface of the bearing,
- 3 at least some of the protrusions adapted to interact with a channel at least partially
- 4 extending around an interior circumference of the portal.
- 1 26. A method for establishing a reference for use as a navigational positioner in 2 surgery, the method comprising:
  - (a) positioning and securing a first modular fiducial to a structure;
  - (b) positioning and securing a second modular fiducial to the structure, the second modular fiducial able to be positioned at least somewhat independently of the first modular fiducial; and
  - (c) positioning and securing at least one additional modular fiducial to the structure, the at least one additional modular fiducial able to be positioned at least somewhat independently of the first modular fiducial and the second modular fiducial, wherein the first, second and at least one additional modular fiducials are positioned in one of a plurality of patterns, some of the patterns recognizable by a tracking system such that the tracking system can track the position and orientation of the pattern.
- 1 27. The method of Claim 26, wherein securing the first, second and at least one
- 2 additional modular fiducials comprises securing the first, second and at least one
- 3 additional modular fiducials to a platform and biasing the platform against an
- 4 individual's skin.

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- 1 28. The method of Claim 27, wherein biasing the platform against the individual's
- 2 skin comprises biasing the platform against the individual's skin using at least two
- 3 fasteners, the platform adapted to be biased against the individual's skin by the at
- 4 least two fasteners such that the at least two fasteners converge towards each
- 5 other.
- 1 29. The method of Claim 28, wherein securing the first, second and at least one
- 2 additional modular fiducials comprises inserting ends of the modular fiducials into
- 3 apertures defined by portions of the platform.
- 1 30. The method of Claim 29, wherein securing the first, second and at least one
- 2 additional modular fiducials comprises inserting the modular fiducials into apertures
- 3 associated with identifiers.
- 1 31. The method of Claim 26, further comprising registering the position and
- 2 orientation of the pattern into the tracking system.
- 1 32. The method of Claim 26, wherein securing the first, second and at least one
- 2 additional modular fiducial comprises securing the first, second and at least one
- 3 additional modular fiducial to a portion of an individual's bony anatomy.
- 1 33. The method of Claim 32, wherein securing the first, second and at least one
- 2 additional modular fiducial to a portion of an individual's bony anatomy further
- 3 comprises using a template to determine acceptable locations for the first, second
- 4 and at least one additional modular fiducial.
- 1 34. The method of Claim 26, further comprising the tracking system providing
- 2 feedback if the pattern created by the first, second and at least one additional
- 3 modular fiducials is not recognizable by the tracking system.

1 35. The method of Claim 26, further comprising: using the tracking system to

2 position an implant relative to an individual; and installing the implant.